

Example Scenario No. 1
Duplicate Exposure Information for Different Exposure Points
(with Planning Tables 1 and 4)

Scenario Description: Data are available for several exposure points that are to be evaluated separately in the risk assessment. In this risk assessment, data will be evaluated separately for ingestion and dermal contact from three different slag piles (Slag Piles 1, 2, and 3) for the same scenario timeframe, medium, and exposure medium.

Planning Table Issues Associated with this Scenario:

The primary issue with this scenario is whether or how to show the exposure points on Planning Tables 1 and 4. Note that the exposure parameter values used for daily intake calculations are identical for each individual pathway, i.e. the values presented on Planning Table 4 are the same for all exposure points for each type of exposure route.

1. How will Planning Table 1 show the three separate exposure points?

Planning Table 1 will need to show the three separate exposure points since each data set will be evaluated separately in the risk assessment. Planning Table 1 needs to show:

Medium: Solid Waste
Exposure Medium: Solid Waste
Exposure Point: Slag Pile 1

Medium: Solid Waste
Exposure Medium: Solid Waste
Exposure Point: Slag Pile 2

Medium: Solid Waste
Exposure Medium: Solid Waste
Exposure Point: Slag Pile 3

2. Do the values used for daily intake calculations need to be shown three separate times on Planning Table 4 for each exposure point even though the values and intake equations are identical?

There are two options that can be followed:

Option 1: Complete Planning Table 4 according to the RAGS Part D instructions. For this example, Planning Table 4 would have three sets of identical values and intake equations, one for each exposure point.

Option 2: Complete Planning Table 4 using only one set of values and intake equations and indicate on the table that these values are identical for all three different exposure points. This can be accomplished by including "Slag Piles 1, 2, and 3" in the Exposure

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Point column and footnoting that these values and intake equations are the same for all three exposure points.

Option 1 is provided in the Example Tables in Appendix A. Option 2, consisting of a revised example Planning Table 4, is illustrated in the accompanying table.